

12/14/00

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PATENT

Docket No. IL-10406

Commissioner for Patents  
Washington, DC 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):  
**Robin R. Miles, Kodumudi S. Venkateswaran, Christopher K. Fuller**

For (title): **IMPEDANCE MEASUREMENTS FOR DETECTING PATHOGENS  
ATTACHED TO ANTIBODIES**

1. Type of Application

- ☒ This new application is for an original patent.
- ☐ This new application is a:
- ☐ Division
  - ☐ Continuation
  - ☐ Continuation-in-part (CIP)

2. Benefit of Prior U.S. Application(s) (35 USC 120)

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s)

3. ☐ Benefit under 35 U.S.C. 119(e) of United States provisional application(s) listed below:

Application Serial No.	Filing Date
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4. Papers enclosed which are required for filing Date Under 37 CFR 1.53(b).

<u>10</u>	Pages of specification
<u>6</u>	Pages of claims
<u>1</u>	Pages of abstract
<u>3</u>	Sheets of drawings
<input checked="" type="checkbox"/>	Formal
<input type="checkbox"/>	Informal

5. Additional papers enclosed

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement
- ☐ Form PTO-1449

Region	Population	Age	Sex	Height (cm)	Weight (kg)	BMI (kg/m <sup>2</sup> )	Waist (cm)	Hip (cm)	Waist:Hip	Waist:Height	Waist:Weight	Waist:Height <sup>2</sup>	Waist:Weight <sup>2</sup>	Waist:Height <sup>3</sup>	Waist:Weight <sup>3</sup>	Waist:Height <sup>4</sup>	Waist:Weight <sup>4</sup>	Waist:Height <sup>5</sup>	Waist:Weight <sup>5</sup>
North America	1000	20-29	M	175.0	75.0	24.3	85.0	100.0	0.85	0.047	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Europe	1000	20-29	F	165.0	60.0	22.0	75.0	90.0	0.83	0.045	0.0005	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Asia	1000	20-29	M	170.0	70.0	24.0	80.0	95.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Oceania	1000	20-29	F	160.0	55.0	21.5	70.0	85.0	0.82	0.044	0.0005	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
South America	1000	20-29	M	172.0	72.0	24.2	82.0	97.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Africa	1000	20-29	F	162.0	58.0	22.2	72.0	88.0	0.83	0.045	0.0005	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Antarctica	1000	20-29	M	178.0	78.0	24.5	88.0	102.0	0.86	0.048	0.0007	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Arctic	1000	20-29	F	168.0	62.0	22.5	78.0	92.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subarctic	1000	20-29	M	173.0	73.0	24.3	83.0	98.0	0.85	0.047	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Tropical	1000	20-29	F	163.0	59.0	22.3	73.0	89.0	0.83	0.045	0.0005	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Temperate	1000	20-29	M	171.0	71.0	24.1	81.0	96.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Polar	1000	20-29	F	167.0	61.0	22.4	77.0	91.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subtropical	1000	20-29	M	174.0	74.0	24.4	84.0	99.0	0.85	0.047	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subpolar	1000	20-29	F	166.0	60.0	22.4	76.0	90.0	0.84	0.046	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Equatorial	1000	20-29	M	176.0	76.0	24.6	86.0	101.0	0.86	0.048	0.0007	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subequatorial	1000	20-29	F	164.0	60.0	22.4	74.0	89.0	0.83	0.045	0.0005	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subtropical	1000	20-29	M	175.0	75.0	24.3	85.0	100.0	0.85	0.047	0.0006	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Subpolar	1000	20-29	F	165.0	58														

- ## 7. Assignment

- ## 8. Certified Copy

(country)	(application no.)	(filed)
(country)	(application no.)	(filed)

- ☐ is(are) attached.
- ☐ will follow

CLAIMS AS FILED					
Type of Claim	Number Filed	Included in Basic Fee	Number Extra	Rate	Total Fee
Total Claims	21	-20 =	1	x \$18 =	\$ 18.00
Independent Claims	3	-3 =	0	x \$80 =	\$ 0.00
				Multiple Claims =	\$ 0.00
				Basic Filing Fee =	\$ 710.00
				Sub-Total =	\$ 728.00
				<b>Small Entity Filing Fee=</b>	<b>\$ 364.00</b>

10. **Small Entity Statement(s)**

- ☒ Verified Statement that this is a filing by small entity under 37 CFR 1.9 and 1.27 is attached.

Filing Fee Calculation (50% of regular filing fee) \$ 364.00

11. **Fee Payment**

- ☐ Not Enclosed  
☒ Enclosed (See Account No. Below)

**Total Basic Filing Fees To Be Paid** \$ 364.00

12. **Method of Payment of Fees**

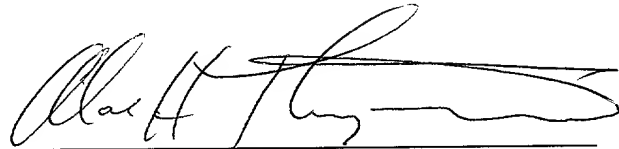
- ☐ Check in the Amount of \$ \_\_\_\_\_  
☒ Charge Account No. 12-0695 in the amount of \$ 364.00

**A duplicate of this transmittal is attached.**

13. **Instructions As To Overpayment/Underpayment**

- ☒ credit/charge  
Account No. 12-0695  
☐ Refund

Dated: 12/14/2000



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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robin R. Miles et al Attorney Docket No.: IL-10406  
Serial No. : Art Unit:  
Filed : Examiner:  
For : "Impedance Measurements for Detecting Pathogens  
Attached to Antibodies"

Commissioner for Patents  
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EL264587690US

Date of Deposit 12/14/2000

I hereby certify that the following *attached*

1. Recordation Cover Sheet (1 page)
2. Assignment (1 page)
3. New Application Transmittal (in duplicate)
4. Verified Statement Claiming Small Entity Status
5. Application  
(Specification 10 pages, Claims 6 pages, Abstract 1 page)  
Combined Declaration and Power of Attorney (2 pages)  
Three (3) sheets of formal drawings
6. Certificate of Mailing
7. Return postcard

is being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Box: Patent Application, Washington, D.C. 20231.

Teresa Walls

(Type or print name of person mailing paper)

Teresa Walls

(Signature of person mailing paper or fee)

2004-12-14 14:00